



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection – Watershed Permitting Program  
**Sanitary Sewer Overflow (SSO)/Bypass  
Notification Form**

FOR DEP USE ONLY

Tax Identification Number

**A. Reporting Facility**

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



See DEP Regional Office telephone and fax numbers at the end of this form.

EMAIL NOTIFICATION TO ALL AT 5:40pm 3/15/16

1. Facility Information

HULL, MA WPCF  
Reporting Sewer Authority

MA0101231

Permit #

2. Authorized Representative Transmitting Form:

ARAM

VARTABEDIAN

781-925-0906

First Name

Last Name

Telephone No.

PROJECT MANAGER

avartabedian@woodardcurran.com

Title

E-mail Address

**B. Phone Notifications:**

1. MassDEP staff contacted:

DAVID BURNS →  
first name last name

Date/Time contacted:

3/15/16  
Date

11:46  
Time

☒ am ☐ pm

2. EPA staff contacted:

DAVID  
first name

TURIN  
last name

Date/Time EPA contacted:

3/15/16  
Date

11:48  
Time

☒ am ☐ pm

3. Board of Health contacted:

Joyce  
First Name

SULLIVAN  
Last Name

Date/Time contacted:

3/15/16  
Date

11:51  
Time

☒ am ☐ pm

4. Others notified (select all that apply):

☐ Conservation Commission

☐ Harbormaster

☐ Shellfish Warden

☒ Division of Marine Fisheries

☐ Downstream Drinking Water Supplier

☐ Watershed Association

☐ Beach Resource Manager ☐ Other:

RYAN JOYCE 3/15/16 11:58AM  
(specify)

**C. SSO Information**

1. SSO Discovered:

3/15/16  
Date

10:15  
Time

☒ am ☐ pm

By:

BILL BOORNANIAN + ERIC SUTTON (Woodard+Curran)

2. SSO Stopped:

3/15/16  
Date

10:16  
Time

☒ am ☐ pm

3. SSO Discharge from:

☐ Sanitary Sewer Manhole

☐ Pump Station

☐ Backup into Property

☒ Other:

GATE BOX AT PUMP STAT 3.  
(specify) ON 14" FORCE MAIN ISOLATION VALVE

4. SSO Discharge to: ☒ Ground Surface (no release to surface water)

☐ Direct to Receiving Water

(surface water)

☐ Catch basin to Receiving Water

(surface water)

☐ Backup into Property Basement



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**C. SSO Information (cont.)**

Location: Pump Station 3, 13 Rockland Circle, Hull, MA  
(Description of discharge site or closest address)

5. Estimated SSO Volume at time of this Report: 2 gallons to ground surface; 8 gal in valve Box.

Method of Estimating Volume: visual/calculated of affected ground area → VALVE BOX RISER.

6. Cause of SSO Event:

☐ Rain Event ☐ Pump Station Failure ☐ Insufficient Capacity in System

☐ Treatment Unit failure

☐ Sewer System Blockage: ☐ Pipe Collapse ☐ Root Intrusion ☐ Grease Blockage

☒ Other: VALVE Exercising for the FORCE MAIN ISOLATION VALVE THAT  
(Specify) WAS STUCK OPEN. SUSPECT FAILURE OF

7. Corrective Actions Taken: PACKING OR PACKING GLAND. Sub-contractor  
WAS ASKE TO STOP THE LEAK BY closing  
the VALVE actuator. We suspect THAT THE  
VALVE IS/was unworkable.

Impact Area cleaned and/or disinfected: ☒ Yes ☐ No

APPLIED LIME (CaO) to area around the gate box.  
GATE BOX (liquid contained in) was vacuumed out.

Corrective Actions Completed: ☒ Yes ☐ No

**D. Comments/Attachments/Follow-up**

I wish to provide (select all that apply):

☒ Attachment ☒ Additional comments below: ☐ No additional comments or attachments

Additional comments and planned actions:

see attachments + ADDITIONAL comments / pictures





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**E. Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*Aram Varjabedian*

Signature of Authorized Representative

*3-19-16*

Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from this report.

**MassDEP Regional Office and EPA Telephone and Fax Numbers:**

Northeast Region	Phone: 978-694-3215	Fax: 978-694-3499
Southeast Region	Phone: 508-946-2750	Fax: 508-947-6557
Central Region	Phone: 508-792-7650	Fax: 508-792-7621
Western Region	Phone: 413-784-1100	Fax: 413-784-1149
EPA Contact	Phone: 617-918-1870	Fax: 617-918-0870
DEP 24-hour emergency	Phone: 888-304-1133	

S.S.O. DATE: MARCH 15, 2016

SUMMARY OF ADDITIONAL INFORMATION RELATED TO S.S.O. TO INCLUDE CMOM/AOC REQUIRED INFO

- A. Asset from which the unauthorized discharge occurred: 14-inch force main isolation valve.
- B. Location: 13 Rockland Circle, Hull, MA.  
  
LAT / LON: 42 degr 15'55.81" / -70 degr 51'21.22"
- C. Cause of unauthorized discharge: SSO form Section C-6 suspected cause – mechanical failure of 14-inch buried gate valve
- D. Unauthorized discharge not caused by blockage
- E. Last inspection date/maintenance/repair of ailed asset: Unknown
- F. Date/Time unauthorized discharge began: SSO form section C-1
- G. Date/Time unauthorized discharge stopped: SSO form section C-2
- H. Source of Notification: field crew – SSO form section C-1
- I. Estimated gallons of wastewater released: SSO section C-5. 2 gallons to ground surface, and 8 gallons sub-surface in gate box riser.
- J. Method of calculation of wastewater released: SSO section C-5. Visual to surface; calculated riser volume and volume that was vacuumed up/out.
- K. Details of the release: The unauthorized discharge did not reach any storm water catch basins, or any portion of the Town's MS4. No storm water catch basins in this area. Nearest down-gradient receiving water is Hull-Hingham Bay. See attached pictures.
- L. Details of the release: The unauthorized discharge did not reach any wetland or surface water.
- M. Measures taken to minimize volume of release and duration: SSO section C-7. Valve exercise operation immediately halted when wastewater observed coming to surface. Valve operator immediately closed valve to stop the discharge.
- N. Measures taken to clean area: SSO form section C-7. Gate box riser was vacuumed/cleaned out by sub-contractor. Lime was applied to the grassy area around gate box.
- O. Corrective actions taken: SSO section C-7. Valve is not operable at the present time. Valve cannot be operated until further notice. Caution tape and tag to be applied to alert staff that valve cannot be used. Long-term corrective action – valve will need to be replaced.
- P. Date of last unauthorized discharge in same general location: Unknown.

## Aram Varjabedian

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**From:** Aram Varjabedian  
**Sent:** Tuesday, March 15, 2016 5:40 PM  
**To:** 'Turin, David'; Burns, David (DEP); 'Joyce, Ryan (FWE)'; 'jsullivan@town.hull.ma.us'  
**Cc:** Dow, James; Frank Cavaleri; Kevin Stetson; Bill Boornazian  
**Subject:** SSO at Hull Pump Station #3 - Hull WPCF - MA0101231

Good afternoon:

This email is to summarize the SSO incident that took place this morning at the #3 Pump station in Hull, MA at 13 Rockland Circle. Phone calls and messages were left this morning, informing you of the incident. The SSO form will be completed and forwarded in the next day or two.

At approximately 10:15am, work was proceeding at this location to attempt to exercise a buried gate valve which is on the force main discharge from the pump station. The valve was not operable and the work was co-ordinated with Hydra-Tech of Sterling, MA with the goal to get the valve operable so that the valve could be closed for various maintenance work planned inside of the pump station.

Please see Bill Boornazian's comments below:

*At 10:15am the valve box for the isolation valve on the pump station 3 force main slowly filled with wastewater and approximately 2 gallons spilled up and over the valve box onto the grass. The cause was likely due to failure of the packing around the stem of the gate valve. The valve was being exercised for approximately 1 hour prior to the leak being detected.. At that time, the valve was believed to be a few turns from being closed when it was backed off about 10 turns, and then the torque dropped out and the leaking occurred. The valve operator started again closing the valve stem which stopped the leak by likely pushing the packing back down. At this time, the valve is not leaking under full operating pressure, and the valve is believed to be unworkable. Based on the pump flow rate observed, the valve is believed to be stuck in the open position.*

*All excess wastewater in the valve box was vacuumed out before we left the station.*

We are monitoring the station operation for proper operation and will inspect the gate box daily over the next several days. The SSO form will include some additional information. We estimate that approximately 2 gallons of wastewater spilled onto the ground, and some additional wastewater [unknown quantity] leaked into the gate box, and this was vacuumed up.

Should you have any questions, please don't hesitate to contact me.

Sincerely,

Aram

Aram Varjabedian  
Plant Manager  
Hull Wastewater Treatment Facility  
1111 Nantasket Avenue | Hull, MA 02045  
Phone 781.925.0906 | Fax 781.925.3056 | Cell 339.214.8334  
[www.woodardcurran.com](http://www.woodardcurran.com)



COMMITMENT & INTEGRITY DRIVE RESULTS





## Work Order

### Hull Wastewater

#### Work Order Information

**Date:** 03/18/2016

**Type:** Corrective Maintenance

**Status:** Completed

**Asset:** PS 3

**Priority:** Normal

**Reason:** Client Support

#### Description of Issue

**Description:** PS 3 SSO GPS and catch basins survey

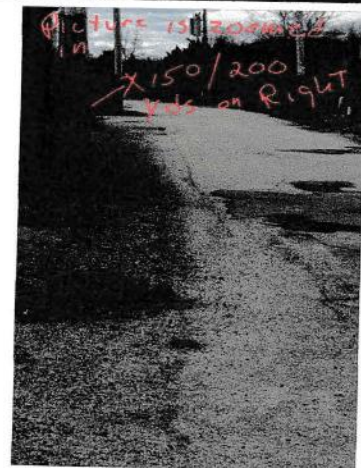
**Notes:** Survey of latitude, longitude of recent SSO along with pictures of site

#### Actions Taken

**Staff:** Eric Sutton

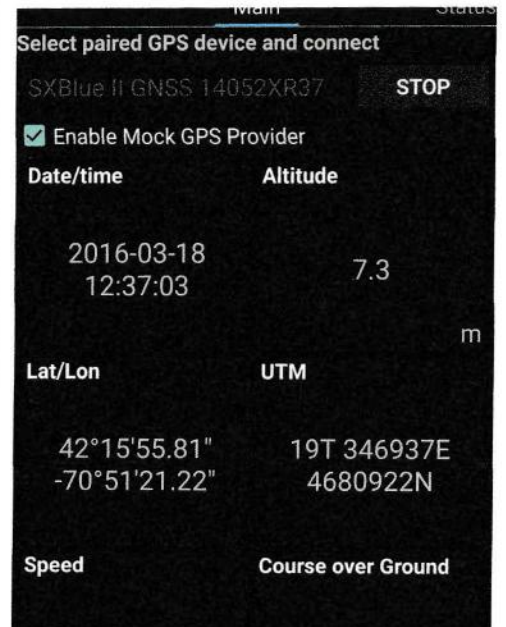
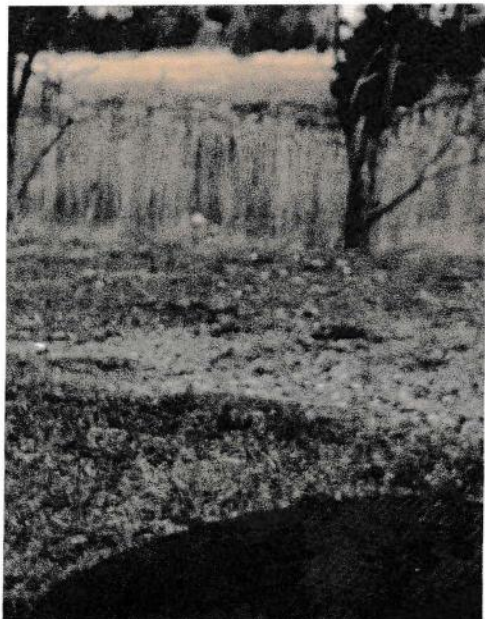
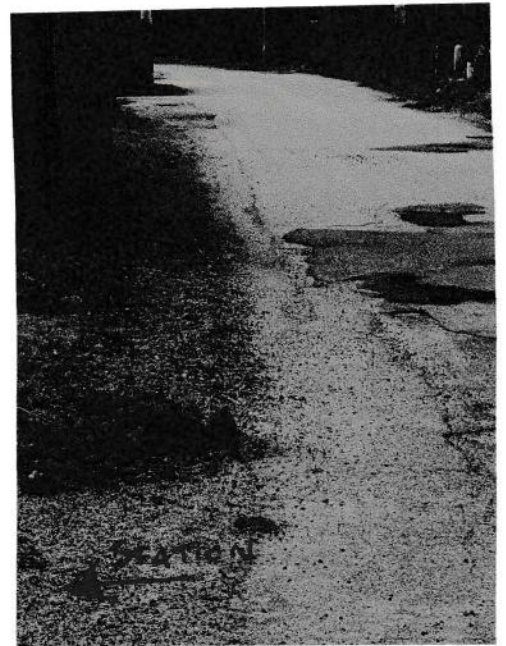
**Service:** Used GXBlue to grab latitude, and longitude of the SSO on 3/15 /16 along with pictures of site at station 3

#### Photos



Picture looking left from driveway no catch basins anywhere on street. There a small lagoon on right 150 to 200 yards on right





Approx 30 yds  
from station to  
MARSH  
(Bottom picture)

- vacuum cut gate  
box (bottom  
picture)
- lime applied to  
surface (top  
picture)

↑ GPS  
co-ordinates (bottom  
picture)

(top picture)  
gate box in grassy  
area just in front  
of station building

(Top picture)  
Rockland Circle Runway  
NO ~~WATER~~  
CATCH BASINS



